(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 19 August 2004 (19.08.2004)

PCT

(10) International Publication Number WO 2004/070390 A1

- (51) International Patent Classification⁷: 35/02
- G01N 35/04,
- (21) International Application Number:

PCT/EP2004/002028

- (22) International Filing Date: 2 February 2004 (02.02.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03290264.5

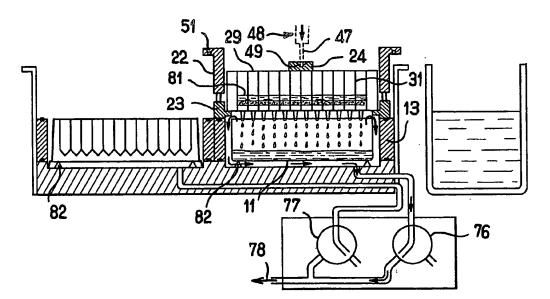
3 February 2003 (03.02.2003) E.

- (71) Applicant (for all designated States except US): GILSON S.A.S [FR/FR]; 19, avenue des Entrepreneurs, Boîte postale 145, F-95400 Villiers-le-Bel (FR).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): KUBACKI, Michel [FR/FR]; 2, square de Prades, F-95380 Louvres (FR).

- (74) Agents: PONTET, Bernard et al.; Pontet Allano & Associés Selarl, 25, rue Jean Rostand, Parc Club Orsay Université, F-91893 Orsay Cedex (FR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHODS, RACK AND DEVICE FOR PREPARING SAMPLES FOR ANALYSIS



(57) Abstract: In a solid phase extraction (SPE) device, once all the columns 31 of the SPE plate 29 are filled with liquid (81), the needles (47) cooperate with engagement formations (49) on a pusher element (24) for pushing down the plate (29) together with an upwardly biased shoe (23) into sealing engagement with a peripheral spacer (13) surrounding a container (11). Simultaneously, vacuum (78) is applied by appropriate control of a valve (76) and all the columns simultaneously transfer liquid into the drain container. Then, vacuum is released, needles (47) engage recesses (51) to move a carriage (20) above a collect container (12) and a similar prosecution is resumed.

WO 2004/070390 A1



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.